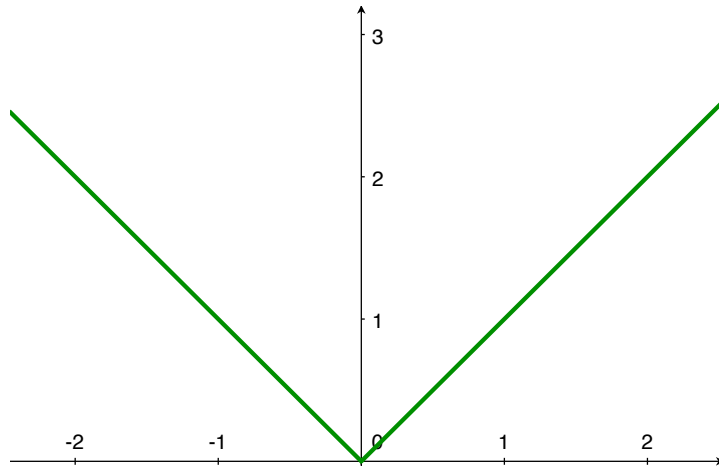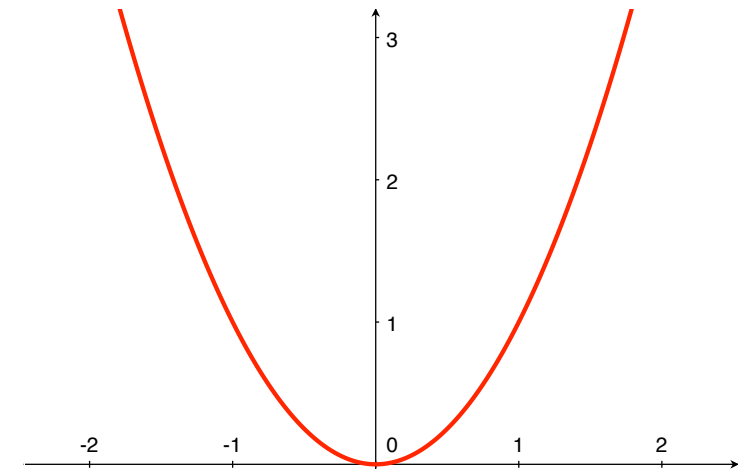# L1 Loss

$$\ell(\hat{y}, y) = |\hat{y} - y|$$
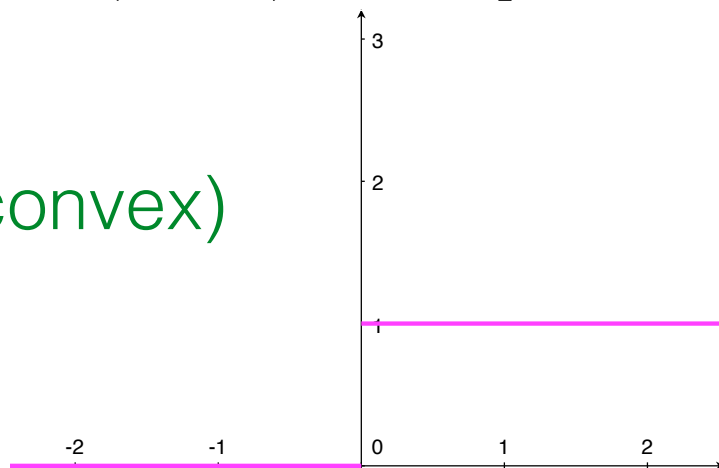
Squared L2 Loss

$$\ell(\hat{y}, y) = (\hat{y} - y)^2$$

Zero-One Loss

$$\ell(\hat{y}, y) = \mathbf{1}[\hat{y} = y]$$

(non-convex)

Hinge Loss

$$\ell(\hat{y}, y) = \max(0, 1 - y \cdot \hat{y})$$